

Title (en)
FISHING SWIVEL

Title (de)
ANGELWIRBEL

Title (fr)
ÉMERILLON DE PÊCHE

Publication
EP 3753403 A4 20210616 (EN)

Application
EP 19735958 A 20190107

Priority
• JP 2018000867 A 20180105
• JP 2019000103 W 20190107

Abstract (en)
[origin: EP3753403A1] A fishing swivel according to one embodiment of the invention is a fishing swivel for connecting a main fishing line and a leader includes a first connecting portion connected with the main line, a second connecting portion connected with the leader, and a main body rotatably coupled to the first connecting portion and the second connecting portion. In the embodiment, the first connecting portion has a first contact portion that contacts the main body, the second connecting portion has a second contact portion that contacts the main body, the main body has a main body contact portion that contacts the first contact portion and the second contact portion. A plating layer containing fluororesin is provided on surfaces of the first contact portion, the second contact portion, and the main body contact portion.

IPC 8 full level
A01K 91/03 (2006.01); **A01K 91/047** (2006.01)

CPC (source: EP KR US)
A01K 91/03 (2013.01 - EP US); **A01K 91/047** (2013.01 - EP KR); **A01K 91/14** (2013.01 - US)

Citation (search report)
• [YA] JP H0690645 A 19940405 - ONO KINZOKU KOGYOSHO KK
• [Y] US 5381650 A 19950117 - GARRETT CHARLES R [US]
• [YD] JP H1188 A 19990106 - MARUKIN KK
• [A] US 2007031183 A1 20070208 - SIM WOO-KYUNG [KR]
• See also references of WO 2019135413A1

Designated contracting state (EPC)
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

DOCDB simple family (publication)
EP 3753403 A1 20201223; EP 3753403 A4 20210616; CN 111601504 A 20200828; CN 111601504 B 20220826; JP 7060621 B2 20220426; JP WO2019135413 A1 20210218; KR 102493758 B1 20230206; KR 20200091906 A 20200731; US 11382320 B2 20220712; US 2020367481 A1 20201126; WO 2019135413 A1 20190711

DOCDB simple family (application)
EP 19735958 A 20190107; CN 201980007289 A 20190107; JP 2019000103 W 20190107; JP 2019563987 A 20190107; KR 20207018900 A 20190107; US 201916959851 A 20190107